Table 1-1

Comparison of some important ACOE specifications for Lower Columbia River Dam studies with past performance of the HI-Z balloon tag-recapture methodology on young salmonids at similar dams within the last three years (1993-1995). Results achieved in the present spill study are also given.

Attribute	ACOE Specification	Past Performance of Methodology	Present Study
Effects on non-study fish	None	No effects on non-study fish	None
Precision (ε) on survival estimate	±5% at 90% CI	≤±4% at 90% confidence interval*	≤±4% at 90% confidence interval*
Recovery rates	<u>></u> 80%	<u>></u> 93%	<u>≥</u> 94%
Holding time	48 h	48 h to 25 days	48 h
Recovery time	<u>≤</u> 1 h	≤10 minutes	<8 minutes
Characterization of injury/condition	Yes	Done in all studies	Completed
Research subjects	Salmon/steelhead	12 studies completed on salmonids	Chinook salmon
Statistical analysis	Model unspecified	Model already developed	Completed

^{*} Precision (ϵ) of $< \pm 3\%$ achieved with a release of 250 treatment and 250 control chinooks.